IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with <u>underlining</u> and deleted text with ~~strikethrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please CANCEL claims 14, 15, 17-23, 25, 26, 30, 31, 43, 44, 62-64, 66, 90-97 and 103-107, and AMEND claims 16, 24, 27-29, 32, 42, 65, 72 and 73 in accordance with the following:

1. (canceled)

2. (previously presented) A method for associating local and remote data on a local computer connected to a network, comprising:

outputting on the local computer remote data based on playback of a recording by the local computer, the remote data obtained via the network from at least one storage location dynamically determined when the playback of the recording occurs using an identifier derived from table of contents information for the recording.

3. (previously presented) A method as recited in claim 2, further comprising obtaining the remote data using an at least partial pointer corresponding to the recording, the at least partial pointer obtained from the network by the local computer.

4. (previously presented) A method as recited in claim 3,

wherein the remote data is display data representing a World Wide Web page, and

wherein the at least partial pointer at least partially defines a uniform resource locator for the World Wide Web page.

5. (canceled)

6. (previously presented) A method as recited in claim 7, wherein the communication program is a web browser, the network is the Internet, and the remote data is display data representing at least part of one web page.

7. (previously presented) A method for associating local and remote data on a local computer connected to a network, comprising:

automatically executing, on the local computer when a recording is played, a communication program for communication via the network to send information related to table of contents information for the recording;

dynamically determining, at a remote computer, at least one location where remote data is stored corresponding to an identifier derived from the information sent from the local computer;

automatically sending the remote data from the at least one location to the local computer via the network; and

outputting on the local computer the remote data in association with playback of the recording by the local computer.

8. (previously presented) A method as recited in claim 7,

wherein the recording is stored on a disc, and

wherein said executing and determining begins when the disc is inserted into a disc drive coupled with the local computer, regardless of whether the communication program has been initiated.

9. (previously presented) A method as recited in claim 2, wherein the remote data includes at least one of an image associated with the recording, animation associated with the recording, and a video associated with the recording.

10. (previously presented) A method as recited in claim 9,

wherein the recording is stored on a disc, and

wherein the remote data includes display data representing an album cover associated with the disc.

11. (previously presented) A method as recited in claim 2, wherein said outputting outputs the remote data including at least one name of a song included in the recording.

12. (previously presented) A method as recited in claim 2, wherein the recording is on a compact disc containing a plurality of tracks, and

wherein said outputting outputs the remote data including at least one title of a corresponding track on the compact disc.

13. (previously presented) At least one computer program stored on a computer-readable medium, embodying a method for associating a recording at a local computer with data at a remote computer coupled to the local computer via a network, comprising:

deriving an identifier by numerically processing table of contents information for the recording;

automatically accessing the remote computer at a location dynamically determined after verification of access to the recording by the local computer; and

comparing the identifier with records in a database maintained on the remote computer.

Claims 14 and 15 (canceled).

16. (currently amended) At least one computer program as recited in claim 15 readable medium encoded with at least one program that when executed causes a local computer, connected to a network, to perform a method associating a recording with output of remote data, further said method comprising: prior to said outputting

prompting input of a disc containing the recording; and

verifying access to the recording on the disc; and

outputting, after said prompting and verifying, the remote data obtained via the network from at least one storage location determined using an identifier derived from table of contents information for the recording after verification of access to the recording by the local computer.

Claims 17-23 (canceled)

24. (currently amended) A method as recited in claim 23, wherein for associating remote and local data on a local device connected to a network, where the local data is an electronic file of digitally encoded audio[[,]] and wherein the remote data include at least one of an image associated with the local data, animation associated with the local data, a video associated with the local data, and an album cover associated with the electronic file, said method comprising:

deriving an identifier at the local device by numerically processing table of contents information for the local data;

automatically obtaining the remote data from the network by the local device using an at least partial pointer corresponding to the identifier; and

outputting at the local device the remote data obtained from the network, based on access to the local data by the local device.

Claims 25 and 26 (canceled)

27. (currently amended) A system as recited in claim 26, wherein coupled to a network, to associate remote data with local data, where the local data is included in a recording and is accessed to play the recording for a user of the local device, said system comprising:

an access unit accessing the local data;

a processor deriving an identifier by abstracting table of contents information for the local data;

a communication unit automatically obtaining the remote data from the network upon access to the local data, using at least one uniform resource locator based on an at least partial pointer obtained from the network and corresponding to the identifier; and

an output unit outputting the remote data.

28. (previously presented) A system as recited in claim 27, wherein the recording is an electronic file of digitally encoded audio.

29. (previously presented) A system as recited in claim 28,

wherein the electronic file is stored on a disc,

wherein said access unit is a disc playback unit, and

wherein said communication unit requests the remote data upon insertion of the disc into said playback unit.

Claims 30 and 31 (canceled)

32. (currently amended) A system as recited in claim 31, wherein the local data is an electronic file of digitally encoded audio, and wherein the remote data include at least one of an image associated with the local data, animation associated with the local data, a video associated with the local data, and an album cover associated with the electronic file, said system comprising:

an access unit accessing the local data;

a processor deriving an identifier by abstracting table of contents information for the local data;

a communication unit automatically obtaining the remote data from the network upon access to the local data, using at least one uniform resource locator based on an at least partial pointer obtained from the network and corresponding to the identifier; and

an output unit outputting the remote data.

33. (previously presented) A method for associating a recording with output of data on a local computer connected to a network, comprising:

outputting remote data obtained from the network upon verification of access to the recording by the local computer, the remote data obtained via the network from at least one storage location determined by numerically processing table of contents information for the recording not stored to identify the recording.

34. (previously presented) A method as recited in claim 33, further comprising prompting input of a disc containing the recording; and

verifying access to the recording on the disc.

35. (previously presented) A method as recited in claim 33, wherein said outputting outputs the remote data including at least one name of a song included in the recording.

36. (previously presented) A method as recited in claim 33, wherein the recording is on a compact disc containing a plurality of tracks, and

wherein said outputting outputs the remote data including at least one title of a corresponding track on the compact disc.

37. (previously presented) A computer system coupled to a network, comprising:

a playback unit to play a recording;

a communication unit to obtain remote data via the network from at least one storage location determined by numerically processing table of contents information for the recording not stored to identify the recording; and

an output unit to output the remote data.

38. (previously presented) A computer system as recited in claim 37, wherein said communication unit obtains the remote data using a pointer string at least partially defining at least one uniform resource locator corresponding to the recording.

39. (previously presented) A computer system as recited in claim 37, wherein said communication unit obtains the remote data including at least one name of a song included in the recording.

40. (previously presented) A computer system as recited in claim 37, wherein the recording is on a compact disc containing a plurality of tracks, and

wherein said communication unit obtains the remote data including at least one title of a corresponding track on the compact disc.

41. (previously presented) A method as recited in claim 2,

wherein said outputting of the remote data[[,]] obtained from the network provides enhanced capability, and

wherein said method further comprises verifying access by the local computer to a recording, containing no content stored for the purpose of providing the enhanced capability, based on an identifier derived by numerically processing the table of contents information for the recording.

42. (currently amended) At least one computer ~~program as recited in claim 15, wherein said outputting of the remote data obtained from the~~ _readable medium encoded with at least one program that when executed causes a local computer connected to a_ network ~~provides enhanced capability, and wherein said~~ _to perform a_ method ~~further comprises~~ _comprising:_

verifying access by the local computer to a recording~~, containing no content stored for the purpose of providing enhanced capability,~~ based on at least one identifier derived by numerically processing table of contents information for the recording, each identifier identifying at least one record in a database _; and_

outputting, after said verifying of access to the recording, remote data related to the recording, but not provided with the recording, the remote data obtained via the network from at least one storage location determined using the at least one identifier.

Claims 43-64 (canceled)

65. (currently amended) A method ~~as recited in claim 64~~ using a local computer connected to a network, ~~wherein the~~ comprising:

obtaining an identifier of a recording, accessed by the local computer, from an abstraction of contents of the recording, the abstraction including table of contents information ~~used to obtain the identifier is~~ used in playing back the recording, said obtaining using a process capable of having multiple recordings approximately matching the identifier and further abstraction of the identifier is possible;

determining an at least partial pointer based on the identifier;

obtaining, via the network from at least one storage location determined using the at least partial pointer, remote data related to the recording; and

outputting the remote data on the local computer.

Claim 66 (canceled)

67. (previously presented) A method of delivering content complementary to a compact disc inserted in a compact disc player coupled with a computer connected to a network, comprising:

inserting the compact disc in the compact disc player coupled with the computer;

obtaining an identifier for the compact disc from table of contents information for the compact disc;

retrieving at least one uniform resource locator related to the identifier, including

searching a local cache for the identifier;

connecting to a remote look-up server to search for the identifier and to return an at least partial pointer, when the identifier is not found in the local cache;

storing the at least partial pointer returned from the remote look-up server in the local cache; and

providing the at least one uniform resource locator based on the at least partial pointer, when the identifier is found in the local cache and when the at least partial pointer is returned from the remote look-up server;

linking to at least one remote device via the network, in response to the at least one uniform resource locator; and

delivering content complementary to the compact disc from the at least one remote device to the computer via the network.

68. (previously presented) A method as recited in claim 67,

wherein a plurality of uniform resource locators related to the identifier are returned from the remote look-up server, and

wherein said linking initially links to a selected remote device corresponding to one of the uniform resource locators related to the identifier.

69. (previously presented) At least one computer program stored on a computer-readable medium, embodying a method for delivering content complementary to a compact disc inserted into a compact disc player coupled with a computer connected to a network, comprising:

inserting the compact disc in the compact disc player coupled with the computer;

obtaining an identifier for the compact disc from table of contents information for the compact disc;

retrieving at least one uniform resource locator related to the identifier, including

searching a local cache for the identifier;

connecting to a remote look-up server to search for the identifier and to return an at least partial pointer, when the identifier is not found in the local cache;

storing the at least partial pointer returned from the remote look-up server in the local cache; and

providing the at least one uniform resource locator based on the at least partial pointer, when the identifier is found in the local cache and when the at least partial pointer is returned from the remote look-up server;

linking to at least one remote device via the network, in response to the at least one uniform resource locator; and

delivering content complementary to the compact disc from the at least one remote device to the computer via the network.

70. (previously presented) At least one computer program as recited in claim 69,

wherein a plurality of uniform resource locators related to the identifier are returned from the remote look-up server, and

wherein said linking initially links to a selected remote device corresponding to one of the uniform resource locators related to the identifier.

9

71. (previously presented) At least one computer program stored on a computer-readable medium, embodying a method for delivering content complementary to a compact disc inserted into a compact disc player coupled with a computer connected to a network, comprising:

inserting the compact disc in the compact disc player coupled with the computer;

obtaining an identifier for the compact disc from table of contents information for the compact disc;

determining at least one uniform resource locator related to the identifier;

linking to at least one remote device using the at least one uniform resource locator via the network using the identifier as a password to access the at least one remote site; and

delivering content complementary to the compact disc from the at least one remote device to the computer via the network.

72. (currently amended) At least one computer program as recited in claim 69 71, wherein said delivering delivers the content including at least one name of a song on the compact disc.

73. (currently amended) At least one computer program as recited in claim 69 71, wherein the compact disc contains a plurality of tracks, and

wherein said delivering delivers the content including at least one title of a corresponding track on the compact disc.

74. (previously presented) A method for associating a recording with output of data on a local device connected to a network, comprising:

obtaining an identifier for the recording from information provided with the recording to play back the recording;

comparing the identifier with records in a database maintained on a remote computer coupled to the local device via the network; and

outputting remote data obtained from the network upon verification of access to the recording by the local device, the remote data obtained via the network from at least one storage location dynamically determined based on the identifier.

75. (previously presented) A method as recited in claim 74,

further comprising automatically sending the information provided with the recording from the local device to the remote computer, and

wherein said obtaining is performed by the remote computer from the information provided with the recording received from the local device.

76. (previously presented) A method as recited in claim 74,

wherein said obtaining includes generating the identifier by the local device based on the information provided with the recording, and

wherein said method further comprises automatically sending the identifier from the local device to the remote computer.

77. (previously presented) A method of delivering content complementary to a compact disc inserted in a compact disc player coupled with a computer connected to a network, comprising:

receiving the compact disc in the compact disc player coupled with the computer;

obtaining an identifier for the compact disc from table of contents information for the compact disc;

retrieving from a remote computer via the network an at least partial pointer related to the identifier;

linking to a remote device via the network using the at least partial pointer; and

delivering content complementary to the compact disc from the remote device to the computer via the network.

78. (previously presented) A computer system, coupled to a network, to associate remote data and audio, comprising:

a playback unit, located at a first location, to play a recording using information provided with the recording;

a communication unit, located at the first location, to obtain remote data from the network using an at least partial pointer corresponding to the recording;

an output unit, located at the first location, to output the remote data; and

a remote computer, coupled to said communication unit via the network and located at a second location remote from the first location, storing at least one database of recording

identifiers derived from the information used to play the recordings, and at least partial pointers and providing said communication unit with the at least partial pointer.

79. (previously presented) A computer system as recited in claim 78, wherein the at least one database stored on said remote computer associates the recording identifiers with at least partial pointers of corresponding World Wide Web pages for a plurality of recordings released by an organization.

80. (previously presented) A computer system, as recited in claim 78, wherein the at least partial pointer is at least one uniform resource locator of at least one World Wide Web page maintained on behalf of at least one person who produced sound for the recording.

81. (previously presented) At least one computer program stored on a computer-readable medium, embodying a method for delivering content complementary to a compact disc inserted into a compact disc player coupled with a local computer connected to a network, comprising:

detecting insertion of the compact disc in the compact disc player coupled with the local computer;

obtaining an identifier for the compact disc from table of contents information for the compact disc;

retrieving from a remote computer via the network an at least partial pointer corresponding to the identifier;

linking to a remote device via the network, based on the at least partial pointer; and

delivering content complementary to the compact disc from the remote device to the local computer via the network.

82. (previously presented) At least one computer program as recited in claim 81,

further comprising automatically sending information, stored on the compact disc to play back the compact disc, from the local computer to the remote computer, and

wherein said obtaining is performed by the remote computer from the information received from the local computer.

83. (previously presented) At least one computer program as recited in claim 81,

wherein said obtaining includes generating the identifier by the local computer based on information stored on the compact disc to play back the compact disc, and

wherein said method further comprises automatically sending the identifier from the local computer to the remote computer.

84. (previously presented) At least one computer program as recited in claim 81, further comprising automatically starting a client program within the computer to cause the computer to access the network when the compact disc is inserted in the compact disc player.

85. (previously presented) At least one computer program as recited in claim 81,

wherein said obtaining is performed automatically upon insertion of the compact disc,

wherein said retrieving of the at least partial pointer automatically retrieves a plurality of character strings at least partially defining uniform resource locators related to the identifier upon determination of the identifier for the compact disc, and

wherein said linking automatically links the computer to a selected remote device corresponding to one of the uniform resource locators.

86. (previously presented) At least one computer program stored on a computer-readable medium, embodying a method for delivering content complementary to a compact disc inserted into a compact disc player coupled with a computer connected to a network, comprising:

inserting the compact disc in the compact disc player coupled with the computer;

obtaining an identifier for the compact disc from table of contents information for the compact disc;

retrieving an at least partial pointer corresponding to the identifier, including

searching a local cache for the identifier;

connecting to a remote look-up server to search for the identifier and return at least one character string related thereto, when the identifier is not found in the local cache within a predetermined period of time;

storing the at least one character string returned from the remote look-up server in the local cache; and

13

providing the at least one character string as the at least partial pointer, when the identifier is found in the local cache and when the at least one character string is returned from the remote look-up server;

linking to a remote device via the network, based on the at least partial pointer; and

delivering content complementary to the compact disc from the remote device to the computer via the network.

87. (previously presented) At least one computer program as recited in claim 86,

further comprising automatically sending information, stored on the compact disc to play back the compact disc, from the computer to the remote look-up server, and

wherein said obtaining is performed by the remote look-up server from the information received from the computer.

88. (previously presented) At least one computer program as recited in claim 86,

wherein said obtaining includes generating the identifier by the computer based on information stored on the compact disc to play back the compact disc, and

wherein said method further comprises automatically sending the identifier from the computer to the remote look-up server.

89. (previously presented) At least one computer program as recited in claim 86, wherein a plurality of uniform resource locators related to the identifier are returned from the remote look-up server, and

wherein said linking initially links to a selected remote device corresponding to one of the uniform resource locators related to the identifier.

Claims 90-97 (canceled)

98. (previously presented) A method of delivering content complementary to a recording ready for playback by a local device connected to a network, comprising:

obtaining an identifier for the recording from information provided with the recording to play back the recording;

retrieving from a remote device via the network an at least partial pointer corresponding to the identifier;

linking to the remote device via the network, based on the at least partial pointer; and

14

delivering content complementary to the recording from the remote device to the local device via the network.

99. (previously presented) A method as recited in claim 98, wherein the local device is a computer connected to the remote device via the network, and

wherein said method further comprises:

detecting access to the recording by the computer; and

automatically starting a client program within the computer to control the computer when the recording is accessed.

100. (previously presented) A method as recited in claim 98, wherein said retrieving of the at least partial pointer includes

searching a local cache for the identifier;

connecting to a remote look-up server to search for the identifier and return at least one pointer string related thereto, when the identifier is not found in the local cache within a predetermined period of time;

storing the at least pointer string returned from the remote look-up server in the local cache; and

providing the at least one pointer string as the at least partial pointer for said linking, when the identifier is found in the local cache and when the at least one pointer string is returned from the remote look-up server.

101. (previously presented) A method as recited in claim 100, wherein a plurality of pointer strings related to the identifier are returned from the remote look-up server, and

wherein said linking initially links to a selected remote device at least partially addressed by one of the pointer strings.

102. (previously presented) A method as recited in claim 98,

wherein said retrieving of the at least partial pointer related to the identifier retrieves a plurality of pointer strings at least partially defining uniform resource locators related to the identifier, and

wherein said linking initially links to a selected remote device corresponding to one of the uniform resource locators related to the identifier.

15

Claims 103-107 (canceled)

108. (previously presented) At least one computer program stored on a computer-readable medium, embodying a method for delivering content complementary to a recording ready for playback by a local device connected to a network, comprising:

obtaining an identifier for the recording from information provided with the recording to play back the recording;

retrieving from a remote device via the network an at least partial pointer corresponding to the identifier;

linking to a remote device via the network based on the at least partial pointer; and

delivering content complementary to the recording from the remote device to the local device via the network.

109. (previously presented) At least one computer program as recited in claim 108, wherein the local device is a computer connected to the remote device via the network, and

further comprising:

detecting access to the recording by the computer; and

automatically starting a client program within the computer to control the computer when the recording is accessed.

110. (previously presented) At least one computer program as recited in claim 108, wherein said retrieving of the at least partial pointer includes

generating the identifier by the local device based on information provided with the recording for playback of the recording;

searching the local cache for the identifier;

connecting to a remote look-up server to search for the identifier and return at least one pointer string at least partially defining a uniform resource locator related thereto, when the identifier is not found in the local cache within a predetermined period of time;

storing the at least one pointer string returned from the remote look-up server in the local cache; and

providing the at least one pointer string as the at least partial pointer for said linking, when the identifier is found in the local cache and when the at least one pointer string is returned from the remote look-up server.

111. (previously presented) At least one computer program as recited in claim 110,

wherein a plurality of pointer strings related to the identifier are returned from the remote look-up server, and

wherein said linking initially links to a selected remote device at least partially addressed by one of the pointer strings.

112. (previously presented) At least one computer program as recited in claim 108, wherein said retrieving of the at least partial pointer corresponding to the identifier retrieves a plurality of pointer strings at least partially defining uniform resource locators related to the identifier, and

wherein said linking initially links to a selected remote device at least partially addressed by one of the pointer strings.

113. (previously presented) At least one computer program as recited in claim 108, further comprising:

sending information, provided with the recording to play back the recording, from the local device to the remote device;

determining the identifier by the remote device based on the information received from the local device; and

comparing the identifier with records in a database maintained on the remote device to find the at least partial pointer corresponding to the identifier.

114. (previously presented) At least one computer program as recited in claim 108, wherein the content complementary to the recording includes at least one of an image associated with the recording, animation associated with the recording, and a video associated with the recording.

115. (previously presented) At least one computer program as recited in claim 114, wherein the recording is an electronic file of digital audio, and

wherein the content complementary to the recording further includes an album cover associated with the electronic file.